

ABSTRACT

An acid gas scrubbing apparatus and method brings a gas, to be scrubbed, containing carbon dioxide into contact
5 with a gas scrubbing liquid containing alkaline agent and cooled, and acid gases in the gas are removed. A gas scrubber removes acid gases in a gas, to be scrubbed, containing carbon dioxide by bringing the gas to be scrubbed into contact with a gas scrubbing liquid containing alkaline
10 agent. A scrubbing liquid regenerator regenerates and cools the gas scrubbing liquid by bringing the gas scrubbing liquid into contact with a regenerating gas having components different from the gas scrubbing liquid and the gas to be scrubbed. A circulating device is provided between
15 the gas scrubber and the scrubbing liquid regenerator for circulating the scrubbing liquid.